

```

DELETE SAVED/Q - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved L-number lists
DELETE SAVED - delete all saved queries, answer sets,
                and L-number lists
DELETE SAVED/S - delete all SDI requests
DELETE SAVED/B - delete all batch requests
DELETE CLUSTER - delete all user-defined clusters
DELETE FORMAT - delete all user-defined display formats
DELETE FIELD - delete all user-defined search fields
DELETE SELECT - delete all E-numbers
DELETE HISTORY - delete all L-numbers and restart the
                session at L1

```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

=> dup rem l3

DUPLICATE IS NOT AVAILABLE IN 'CAOLD, DGENE, DPCI, PCTGEN, RDISCLOSURE, SYNTHLINE'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L3

L4 146 DUP REM L3 (24 DUPLICATES REMOVED)

=> s l4 not PY>2001

12 FILES SEARCHED...

21 FILES SEARCHED...

33 FILES SEARCHED...

L5 134 L4 NOT PY>2001

=> s l5 and (recombinant or transform? or transgenic) (2a) cell

8 FILES SEARCHED...

20 FILES SEARCHED...

31 FILES SEARCHED...

L6 28 L5 AND (RECOMBINANT OR TRANSFORM? OR TRANSGENIC) (2A) CELL

=> d his

(FILE 'HOME' ENTERED AT 12:04:50 ON 11 JUL 2003)

FILE 'CAPLUS, BIOSIS, AGRICOLA, EUROPATFULL, CAOLD, CASREACT, CROPU, DGENE, DPCI, ENCOMPAT2, FSTA, IFIPAT, INPADOC, JAPIO, NTIS, PAPERCHEM2, PATDD, PATDPA, PATDPAFULL, PATOSDE, PATOSEP, PATOSWO, PCTFULL, PCTGEN, PIRA, RAPRA, RDISCLOSURE, SYNTHLINE, ...' ENTERED AT 12:05:44 ON 11 JUL 2003

L1 358 S AFP1

L2 194 S L1 AND (ANTIFUNG? OR ANTIMICROB?) (2A) PROTEIN?

L3 170 S L2 AND (NUCLEIC OR DNA OR POLYNUCLEOTIDE OR NUCLEOTIDE OR RN

L4 146 DUP REM L3 (24 DUPLICATES REMOVED)

L5 134 S L4 NOT PY>2001

L6 28 S L5 AND (RECOMBINANT OR TRANSFORM? OR TRANSGENIC) (2A) CELL

=> d l6 1-28

L6 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2003 ACS

AN 2000:842296 CAPLUS

DN 134:14012

TI Method for constructing chimeric gene of plant  
antimicrobial proteins for enhanced antifungal  
activity

IN Greenland, Andrew James; Fuentes Mateos, Angel Manuel

PA Zeneca Limited, UK

SO PCT Int. Appl., 29 pp.

IN Ota, Toshio, 1-2-7-105, Tsujido Shinmachi, Fujisawa-shi, Kanagawa  
251-0042, JP;  
Isogai, Takao, 511-12, Ohmuro, Ami-machi, Inashiki-gun, Ibaraki  
300-0303, JP;  
Nishikawa, Tetsuo, 27-3-403, Hikawa-cho, Itabashi-ku, Tokyo 173-0013,  
JP;  
Hayashi, Kohji, 1-9-446, Yushudai Nishi, Ichihara-shi, Chiba 292-0056,  
JP;  
Saito, Kaoru, 2-8-1-201, Kisarazu, Kisarazu-shi, Chiba 292-0056, JP;  
Yamamoto, Junichi, 3-28-3-A101, Kiyomidai Higashi, Kisarazu-shi, Chiba  
292-0041, JP;  
Ishii, Shizuko, 4508-19-202, Yana, Kisarazu-shi, Chiba 292-0812, JP;  
Sugiyama, Tomoyasu, 2-6-23-102, Kiyomidai, Kisarazu-shi, Chiba 292-0045,  
JP;  
Wakamatsu, Ai, 1473-4-202, Takayanagi, Kisarazu-shi, Chiba 292-0014, JP;  
Nagai, Keiichi, 3-44-14-9-204, Sakuragaoka, Higashiyamato-shi, Tokyo  
207-0022, JP;  
Otsuki, Tetsuji, 3-1-10-B102, Asahi, Kisarazu-shi, Chiba 292-0045, JP  
PA Helix Research Institute, 1532-3 Yana, Kisarazu-shi, Chiba 292-0812, JP  
SO Wila-EPZ-2001-H06-T1a  
DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;  
R IT; R LI; R LU; R MC; R NL; R PT; R SE; R AL; R LT; R LV; R MK; R RO;  
R SI  
PIT EPA2 EUROPAEISCHE PATENTANMELDUNG  
PI EP 1074617 A2 20010207  
OD 20010207  
AI EP 2000-116126 20000728  
PRAI JP 1999-248036 19990729  
JP 1999-300253 19990827  
JP 2000-2000118776 20000111  
JP 2000-2000183767 20000502  
JP 2000-2000241899 20000609  
IC ICM C12N015-12  
ICS C12N015-11 C07K014-47 C07K016-18 C12Q001-68  
  
L6 ANSWER 4 OF 28 CROPU COPYRIGHT 2003 THOMSON DERWENT  
AN 2001-81923 CROPU F G  
TI An antimicrobial composition, comprising two **antimicrobial**  
**proteins**, derived from radish and *Mirabilis* or *Impatiens*.  
IN Greenland A J; Fuentes Mateos A M  
PA Zeneca  
LO Bracknell, U.K.; Brussels, Belg.  
PI WO 2000071735 A1 20001130  
AI GB 1999-11933 19990521  
WO 2000-GB1905 20000518  
DT Patent  
LA English  
OS WPI: 2001-041066  
FA AB; LA; CT  
  
L6 ANSWER 5 OF 28 DGENE (C) 2003 THOMSON DERWENT  
AN AAR33753 Protein DGENE  
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or  
dahlia, useful for increasing plants' resistance to fungal and bacterial  
diseases  
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;  
Vanderleyden J  
PA (ICIL) IMPERIAL CHEM IND PLC.  
PI WO 9305153 A1 19930318 110p  
AI WO 1992-GB1570 19920827  
PRAI GB 1991-18523 19910829  
GB 1992-3038 19920213  
GB 1992-13526 19920625  
DT Patent

LA English  
OS 1993-100978 [12]  
DESC Antifungal protein Sa-AFP1.

L6 ANSWER 6 OF 28 DGENE (C) 2003 THOMSON DERWENT  
AN AAR33751 Protein DGENE  
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or  
dahlia, useful for increasing plants' resistance to fungal and bacterial  
diseases  
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;  
Vanderleyden J  
PA (ICIL) IMPERIAL CHEM IND PLC.  
PI WO 9305153 A1 19930318 110p  
AI WO 1992-GB1570 19920827  
PRAI GB 1991-18523 19910829  
GB 1992-3038 19920213  
GB 1992-13526 19920625

DT Patent  
LA English  
OS 1993-100978 [12]  
DESC Antifungal protein Bn-AFP1.

L6 ANSWER 7 OF 28 DGENE (C) 2003 THOMSON DERWENT  
AN AAR33749 Protein DGENE  
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or  
dahlia, useful for increasing plants' resistance to fungal and bacterial  
diseases  
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;  
Vanderleyden J  
PA (ICIL) IMPERIAL CHEM IND PLC.  
PI WO 9305153 A1 19930318 110p  
AI WO 1992-GB1570 19920827  
PRAI GB 1991-18523 19910829  
GB 1992-3038 19920213  
GB 1992-13526 19920625

DT Patent  
LA English  
OS 1993-100978 [12]  
DESC Antifungal protein Br-AFP1.

L6 ANSWER 8 OF 28 DGENE (C) 2003 THOMSON DERWENT  
AN AAR33754 Protein DGENE  
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or  
dahlia, useful for increasing plants' resistance to fungal and bacterial  
diseases  
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;  
Vanderleyden J  
PA (ICIL) IMPERIAL CHEM IND PLC.  
PI WO 9305153 A1 19930318 110p  
AI WO 1992-GB1570 19920827  
PRAI GB 1991-18523 19910829  
GB 1992-3038 19920213  
GB 1992-13526 19920625

DT Patent  
LA English  
OS 1993-100978 [12]  
DESC Antifungal protein At-AFP1.

L6 ANSWER 9 OF 28 DGENE (C) 2003 THOMSON DERWENT  
AN AAR33707 Protein DGENE  
TI Biocidal proteins isolated from seeds of plants - e.g. brassica or  
dahlia, useful for increasing plants' resistance to fungal and bacterial  
diseases  
IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G;

Vanderleyden J  
 PA (ICIL) IMPERIAL CHEM IND PLC.  
 PI WO 9305153 A1 19930318 110p  
 AI WO 1992-GB1570 19920827  
 PRAI GB 1991-18523 19910829  
 GB 1992-3038 19920213  
 GB 1992-13526 19920625  
 DT Patent  
 LA English  
 OS 1993-100978 [12]  
 DESC **Antifungal protein Rs-AFP1.**

L6 ANSWER 10 OF 28 DGENE (C) 2003 THOMSON DERWENT  
 AN AAR33706 Protein DGENE  
 TI Biocidal proteins isolated from seeds of plants - e.g. brassica or dahlia, useful for increasing plants' resistance to fungal and bacterial diseases  
 IN Broekaert W F; Cammue B P A; Osborn R W; Rees S B; Terras F R G; Vanderleyden J  
 PA (ICIL) IMPERIAL CHEM IND PLC.  
 PI WO 9305153 A1 19930318 110p  
 AI WO 1992-GB1570 19920827  
 PRAI GB 1991-18523 19910829  
 GB 1992-3038 19920213  
 GB 1992-13526 19920625  
 DT Patent  
 LA English  
 OS 1993-100978 [12]  
 DESC **Antifungal protein Rs-AFP1.**

L6 ANSWER 11 OF 28 IFIPAT COPYRIGHT 2003 IFI  
 AN 2908408 IFIPAT;IFIUDB;IFICDB  
 TI BIOCIDAL PROTEINS; GENETIC ENGINEERING  
 IN Broekaert Willem F (BE); Cammue Bruno PA (BE); Osborn Rupert W (GB); Rees Sarah B (GB); Terras Franky RG (BE); Vanderleyden Jozef (BE)  
 PA Zeneca Ltd GB (32757)  
 PI US 5689043 19971118  
 AI US 1995-452078 19950526  
 RLI US 1993-2480 19930104 CONTINUATION ABANDONED  
 US 1995-377687 19950125 DIVISION 5538525  
 PRAI GB 1991-18523 19910829  
 GB 1992-3038 19920213  
 GB 1992-13526 19920625  
 FI US 5689043 19971118  
 US 5538525  
 DT UTILITY  
 FS CHEMICAL  
 GRANTED  
 CLMN 13  
 GI 39 Drawing Sheet(s), 44 Figure(s).

L6 ANSWER 12 OF 28 PCTFULL COPYRIGHT 2003 Univentio  
 AN 2001009175 PCTFULL ED 20020828  
 TIEN SYNTHETIC PEPTIDES  
 TIFR PEPTIDES DE SYNTHESE  
 IN POSTHUMA, Geertruida, Afina;  
 SCHAAPER, Wilhelmus, Martinus, Maria;  
 SIJTSMA, Lolke;  
 VAN AMERONGEN, Aart;  
 FANT, Franky;  
 BORREMANS, Frans, Alois, Mekania;  
 REES, Sarah, Bronwen;  
 OSBORN, Rupert, William  
 PA ZENECA LIMITED;

POSTHUMA, Geertruida, Afina;  
SCHAAPER, Wilhelmus, Martinus, Maria;  
SIJTSMA, Lolke;  
VAN AMERONGEN, Aart;  
FANT, Franky;  
BORREMANS, Frans, Alois, Mekania;  
REES, Sarah, Bronwen;  
OSBORN, Rupert, William

DT Patent

PI WO 2001009175 A2 20010208

DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE  
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG  
KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN  
YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ  
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 2000-GB2968 A 20000731

PRAI GB 1999-9918156.2 19990802

ICM C07K014-00

L6 ANSWER 13 OF 28 PCTFULL COPYRIGHT 2003 Univentio

AN 1997037024 PCTFULL ED 20020514

TIEN ANTIFUNGAL POLYPEPTIDE AND METHODS FOR CONTROLLING PLANT PATHOGENIC FUNGI

TIFR POLYPEPTIDE ANTIFONGIQUE ET TECHNIQUES DE LUTTE CONTRE DES CHAMPIGNONS PATHOGENES DES VEGETAUX

IN LIANG, Jihong;  
SHAH, Dilip, Maganlal;  
WU, Yonnie, Shun;  
ROSENBERGER, Cindy, Annette

PA MONSANTO COMPANY

LA English

DT Patent

PI WO 9737024 A2 19971009

DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI  
GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT  
UA UG UZ VN YU GH KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ  
TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ  
CF CG CI CM GA GN ML MR NE SN TD TG

AI WO 1997-US5709 A 19970327

PRAI US 1996-8/627,706 19960329

ICM C12N015-29

ICS C12N015-82; C07K014-415; A01N065-00; A01H005-00

L6 ANSWER 14 OF 28 PCTFULL COPYRIGHT 2003 Univentio

AN 1997021815 PCTFULL ED 20020514

TIEN ANTIFUNGAL PROTEINS

TIFR PROTEINES ANTIFONGIQUES

IN MELOEN, Robbert, Hans;  
PUIJK, Wouter, Cornelis;  
SCHAAPER, Wilhelmus, Martinus, Maria;  
SIJTSMA, Lolke;  
VAN AMERONGEN, Aart;  
BROEKAERT, Willem, Frans;  
DE SAMBLANX, Genoveva, Wivina;  
FANT, Franky;  
BORREMANS, Frans, Alois, Melania;  
REES, Sarah, Bronwen;  
VAN GELDER, Wilhelmus, Martinus, Josef

PA ZENECA LIMITED;

MELOEN, Robbert, Hans;

PUIJK, Wouter, Cornelis;

SCHAAPER, Wilhelmus, Martinus, Maria;  
SIJTSMA, Lolke;  
VAN AMERONGEN, Aart;  
BROEKAERT, Willem, Frans;  
DE SAMBLANX, Genoveva, Wivina;  
FANT, Franky;  
BORREMANS, Frans, Alois, Melania;  
REES, Sarah, Bronwen;  
VAN GELDER, Wilhelmus, Martinus, Josef

LA English

DT Patent

PI WO 9721815

DS

A2 19970619  
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI  
GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG  
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA  
UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT  
BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG  
CI CM GA GN ML MR NE SN TD TG

AI WO 1996-GB3068

PRAI GB 1995-9525455.3

GB 1996-9606552.9

A 19961212

19951213

19960328

ICM C12N015-29

ICS C12N015-82; C07K014-415; C07K007-06; C07K007-08; A01N065-00;  
A01H005-00; A61K038-08; A61K038-10

L6 ANSWER 15 OF 28 PCTFULL COPYRIGHT 2003 Univentio  
AN 1997021814 PCTFULL ED 20020514

TIEN **ANTIFUNGAL PROTEINS**

TIFR PROTEINES ANTIFONGIQUES

IN BROEKAERT, Willem, Frans;  
DE SAMBLANX, Genovera, Wivina;  
REES, Sarah, Bronwen

PA ZENECA LIMITED;  
BROEKAERT, Willem, Frans;  
DE SAMBLANX, Genovera, Wivina;  
REES, Sarah, Bronwen

LA English

DT Patent

PI WO 9721814

DS

A1 19970619  
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI  
GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG  
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA  
UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT  
BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG  
CI CM GA GN ML MR NE SN TD TG

AI WO 1996-GB3065

PRAI GB 1995-9525474.4

ICM C12N015-29

ICS C12N015-82; C07K014-415; A01N065-00; A01H005-00

L6 ANSWER 16 OF 28 PCTFULL COPYRIGHT 2003 Univentio  
AN 1995024486 PCTFULL ED 20020514

TIEN **ANTIMICROBIAL PROTEINS FROM ARALIA AND IMPATIENS**

TIFR **PROTEINES ANTIMICROBIENNES PROVENANT DES ESPECES**  
**ARALIA ET IMPATIENS**

IN ATTENBOROUGH, Sheila;  
BROEKAERT, Willem, Frans;  
OSBORN, Rupert, William;  
RAY, John, Anthony;  
REES, Sarah, Bronwen;  
TAILOR, Ravindra, Haribhai

PA ZENECA LIMITED;  
ATTENBOROUGH, Sheila;  
BROEKAERT, Willem, Frans;

OSBORN, Rupert, William;  
 RAY, John, Anthony;  
 REES, Sarah, Bronwen;  
 TAILOR, Ravindra, Haribhai  
 LA English  
 DT Patent  
 PI WO 9524486 A1 19950914  
 DS W: AU BB BG BR BY CA CN CZ FI GE HU JP KG KP KR KZ LK LT LV MD  
 MG MN MX NO NZ PL RO RU SG SI SK TJ TT UA US UZ VN KE MW SD  
 SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ  
 CF CG CI CM GA GN ML MR NE SN TD TG  
 AI WO 1995-GB509 A 19950309  
 PRAI GB 1994-9404807.1 19940311  
 ICM C12N015-29  
 ICS C12N015-82; C12N015-62; C07K014-415; C12N001-21; A01H005-00;  
 A01N065-00  
  
 L6 ANSWER 17 OF 28 PCTFULL COPYRIGHT 2003 Univentio  
 AN 1993005153 PCTFULL ED 20020513  
 TIEN BIOCIDAL PROTEINS  
 TIFR PROTEINES BIOCIDES  
 IN BROEKAERT, Willem, Frans;  
 CAMMUE, Bruno, Philippe, Angelo;  
 OSBORN, Rupert, William;  
 REES, Sarah, Bronwen;  
 TERRAS, Franky, Raymond, Gerard;  
 VANDERLEYDEN, Jozef  
 PA IMPERIAL CHEMICAL INDUSTRIES PLC;  
 BROEKAERT, Willem, Frans;  
 CAMMUE, Bruno, Philippe, Angelo;  
 OSBORN, Rupert, William;  
 REES, Sarah, Bronwen;  
 TERRAS, Franky, Raymond, Gerard;  
 VANDERLEYDEN, Jozef  
 LA English  
 DT Patent  
 PI WO 9305153 A1 19930318  
 DS W: AU BB BG BR CA CS FI HU JP KP KR LK MG MN MW NO PL RO RU SD  
 US AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE BF BJ CF CG  
 CI CM GA GN ML MR SN TD TG  
 AI WO 1992-GB1570 A 19920827  
 PRAI GB 1991-9118523.1 19910829  
 GB 1992-9203038.6 19920213  
 GB 1992-9213526.8 19920625  
 ICM C12N015-29  
 ICS C07K007-10; C12N015-82; A01N065-00; A01H005-00; C12N005-10;  
 C12N001-21  
  
 L6 ANSWER 18 OF 28 USPATFULL  
 AN 2001:226753 USPATFULL  
 TI Antifungal polypeptide and methods for controlling plant pathogenic  
 fungi  
 IN Liang, Jihong, Chesterfield, MO, United States  
 Shah, Dilip Maganlal, Chesterfield, MO, United States  
 Wu, Yonnie S., Wildwood, MO, United States  
 Rosenberger, Cindy A., Ballwin, MO, United States  
 Hakimi, Salim, Chesterfield, MO, United States  
 PA Monsanto Company, St. Louis, MD, United States (U.S. corporation)  
 PI US 6329504 B1 20011211  
 AI US 1999-428805 19991028 (9)  
 RLI Division of Ser. No. US 1996-766355, filed on 13 Dec 1996, now patented,  
 Pat. No. US 6121436  
 DT Utility  
 FS GRANTED

LN.CNT 2981

INCL INCLM: 530/350.000  
INCLS: 530/325.000; 530/326.000; 530/324.000; 435/069.100; 435/070.100;  
435/172.300; 435/418.000; 435/419.000; 536/023.100; 536/023.600;  
514/002.000; 514/012.000; 514/019.000; 800/205.000; 800/200.000  
NCL NCLM: 530/350.000  
NCLS: 435/069.100; 435/070.100; 435/418.000; 435/419.000; 435/468.000;  
530/324.000; 530/325.000; 530/326.000; 536/023.100; 536/023.600  
IC [7]  
ICM: A01G013-00  
ICS: C07K007-00; C07H021-00; C12P021-00; A61K035-78  
EXF 800/205; 530/350; 530/325; 435/69.1; 435/172.3; 435/70.1; 435/419;  
435/418; 536/23.6; 514/12; 514/2; 514/19  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 19 OF 28 USPATFULL  
AN 2001:202590 USPATFULL  
TI Antifungal polypeptide from alfalfa and methods for controlling plant  
pathogenic fungi  
IN Liang, Jihong, Chesterfield, MO, United States  
Shah, Dilip Maganlal, Chesterfield, MO, United States  
Wu, Yonnie S., Wildwood, MO, United States  
Rosenberger, Cindy A., Ballwin, MO, United States  
Hakimi, Salim, Chesterfield, MO, United States  
PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)  
PI US 6316407 B1 20011113  
AI US 1998-3198 19980107 (9)  
RLI Division of Ser. No. US 1996-766355, filed on 13 Dec 1996, now patented,  
Pat. No. US 6121436  
DT Utility  
FS GRANTED  
LN.CNT 3128  
INCL INCLM: 514/012.000  
INCLS: 530/324.000  
NCL NCLM: 514/012.000  
NCLS: 530/324.000  
IC [7]  
ICM: A61K038-16  
ICS: C07K014-415  
EXF 530/324; 530/300; 047/58.1; 514/12; 800/295; 800/298  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 20 OF 28 USPATFULL  
AN 2001:52271 USPATFULL  
TI **Nucleic** acid sequences encoding an antifungal polypeptide, aly  
AFP from alyssum and methods for their use  
IN Liang, Jihong, Chesterfield, MO, United States  
Shah, Dilip Maganlal, Chesterfield, MO, United States  
Wu, Yonnie Shun, Chesterfield, MO, United States  
Rosenberger, Cindy Annette, Ballwin, MO, United States  
PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)  
PI US 6215048 B1 20010410  
AI US 1998-103489 19980624 (9)  
RLI Division of Ser. No. US 1996-627706, filed on 29 Mar 1996, now patented,  
Pat. No. US 5773696  
DT Utility  
FS Granted  
LN.CNT 1904  
INCL INCLM: 800/317.200  
INCLS: 435/320.100; 536/023.600; 800/279.000; 800/301.000; 800/302.000  
NCL NCLM: 800/317.200  
NCLS: 435/320.100; 536/023.600; 800/279.000; 800/301.000; 800/302.000  
IC [7]  
ICM: A01H005-00



ICS: C12N015-82  
EXF 536/23.6; 435/69.1; 435/320.1; 435/419; 435/468; 800/279; 800/301;  
800/302; 800/315; 800/320; 800/306; 800/316; 800/320.1; 800/314;  
800/323; 800/317.1; 800/317.2; 800/320.2; 800/312; 800/317.4; 800/320.3  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 21 OF 28 USPATFULL  
AN 2001:22350 USPATFULL  
TI Biocidal proteins  
IN Broekaert, Willem F., Dilbeek, Belgium  
Cammue, Bruno P. A., Alseberg, Belgium  
Osborn, Rupert W., Middlesex, United Kingdom  
Rees, Sarah B., Berkshire, United Kingdom  
Terras, Franky R. G., Amzegem, Belgium  
Vanderleyden, Jozef, Heverlee, Belgium  
PA ZENECA Limited, London, United Kingdom (non-U.S. corporation)  
PI US 6187904 B1 20010213  
AI US 1997-971982 19971117 (8)  
RLI Continuation of Ser. No. US 1995-452078, filed on 26 May 1995, now  
patented, Pat. No. US 5689043 Division of Ser. No. US 1995-377687, filed  
on 25 Jan 1995, now patented, Pat. No. US 5538525 Continuation of Ser.  
No. US 1993-2480, filed on 4 Jan 1993, now abandoned Continuation of  
Ser. No. WO 1992-GB1570, filed on 27 Aug 1992, now abandoned  
PRAI GB 1991-18523 19910829  
GB 1992-3038 19920213  
GB 1992-13526 19920625  
DT Utility  
FS Granted  
LN.CNT 1405  
INCL INCLM: 530/324.000  
INCLS: 530/326.000; 530/350.000; 514/012.000; 514/013.000  
NCL NCLM: 530/324.000  
NCLS: 530/326.000; 530/350.000  
IC [7]  
ICM: C07K014-00  
EXF 514/12; 514/13; 530/324; 530/326; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 22 OF 28 USPATFULL  
AN 2000:157636 USPATFULL  
TI DNA encoding antimicrobial proteins from  
impatiens  
IN Attenborough, Sheila, Maidenhead, United Kingdom  
Broekaert, Willem Frans, Dilbeek, Belgium  
Osborn, Rupert William, Twickenham, United Kingdom  
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PA Zeneca Limited, London, United Kingdom (non-U.S. corporation)  
PI US 6150588 20001121  
AI US 1997-831028 19970404 (8)  
RLI Division of Ser. No. US 700442  
PRAI GB 1994-4807 19940311  
DT Utility  
FS Granted  
LN.CNT 1057  
INCL INCLM: 800/298.000  
INCLS: 435/252.300; 536/023.600  
NCL NCLM: 800/298.000  
NCLS: 435/252.300; 536/023.600  
IC [7]  
ICM: A01H005-00  
ICS: C12N001-21; C12N015-29  
EXF 536/23.6; 435/69.1; 435/320.1; 435/419; 435/468; 435/243; 435/252.3;